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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/116,147 07/16/98 YANG

L 2207/6039

EXAMINER

WM02/0316

JOHN C ALTMILLER
KENYON AND KENYON
1025 CONNECTICUT AVENUE N W
WASHINGTON DC 20036

LEE, Y

ART UNIT

PAPER NUMBER

2613

DATE MAILED:

03/16/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/116,147

Applicant(s)
Liuyang Yang

Examiner
Y. Lee

Group Art Unit
2613



- ☐ Responsive to communication(s) filed on _____.
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

- ☒ Claim(s) 1-19 is/are pending in the application.
- Of the above, claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1-19 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claims _____ are subject to restriction or election requirement.

Application Papers

- ☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☒ The drawing(s) filed on Jul 16, 1998 is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) _____.
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- ☒ Notice of References Cited, PTO-892
- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
- ☐ Interview Summary, PTO-413
- ☒ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2613

DETAILED ACTION

Drawings

1. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.
2. The drawings are objected to because all diagrammatic blocks and features in Figure 4 are required to be distinctly labeled to indicate contents or function with legends (37 C.F.R. 1.83(a), 1.84(o)). Correction is required.
3. Applicant is required to submit a proposed drawing correction in reply to this Office action. However, formal correction of the noted defect can be deferred until the application is allowed by the examiner.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

5. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Puri et al (6,148,026).

Art Unit: 2613

Puri et al, in Figures 1-6, discloses the same system for encoding video image data with at least first and second encoding passes as specified in claims 1-19 of the present invention, where each encoding pass (i.e. base and/or enhancement layer) includes a number of executable steps and at least one of the executable steps includes a number of executable first order sub-steps 1000, the first order sub-steps in at least one of the first and second encoding passes being identified as necessary (base layer) or unnecessary (enhancement layer) for execution of the encoding passes, the system including a video compressor 310 adapted to encode video image data during at least first and second encoding passes; a bit rate controller 440 coupled to the video compressor 310 and adapted to control the video compressor 310 during at least first and second encoding passes, such that the video compressor 310 is adapted to execute the necessary sub-steps during the first and second encoding passes; and an encoder/decoder 320 adapted to encode video image data during at least first and second encoding passes; wherein at least one of the first order sub-steps 1000 includes a plurality of executable second order sub-steps (e.g. mesh node motion vector) and the second order sub-steps are identified as necessary or unnecessary; wherein at least one of the executable first order sub-steps 1000 includes a plurality of $n-1$ order sub-steps (e.g. mesh node geometry data generation) and at least one of the $n-1$ order sub-steps includes a plurality of executable n order sub-steps (mesh node motion vector generation) where n is an integer greater than or equal to three, and $n-1$ order sub-steps are identified in at least one of the first and second encoding passes as being necessary or unnecessary; wherein all of the n

Art Unit: 2613

order sub-steps in the first and second encoding passes are identified 266 as being necessary or unnecessary.

Conclusion

6. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 308-9051, (for formal communications intended for entry)

Or:

(703) 308-6306/6296 (for informal or draft communications, please label

"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington, VA., Sixth Floor (Receptionist).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y. Lee whose telephone number is (703) 308-7584.


Y. LEE
PRIMARY EXAMINER

Y. Lee/yl
March 14, 2001